

Role of Phospho-Pyridoxal in Anaerobic Desamination
of Homoserine and Serine, by A. E. Braunshtein,
R. M. Azarkh, 11 pp.

Full translation.

thrice-mo

RUSSIAN, /per, Dok Ak Nauk SSSR, Vol LXXXV, No 2, 1952,
pp 385-388.

CIA/PDD/X-858

USSR

Scientific - Medicine, biochemistry

Jun 53 CTS

2798

The Nature of the Native State of Bacteriochlorophyll
in Relation to the Spectral Properties of its
Colloidal Solutions in the Solid State, by A. A.
Krasnovskii, K. K. Voinovskaya, L. M. Kosobutskaya,
10 pp. UNCLASSIFIED

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXV
1952, pp 389-392.

AEC Tr 2046

Scientific - Chemistry Jun 53 CTS/DEX

3073

Biosynthesis of Nicotine Labeled With C^{14} and
the Processes of Transmethylation in Tobacco
Leaves, by A. M. Kuzin, V. I. Merenova.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXXV, 1952, pp 393-395.

Assoc Tech Sv RJ-196
\$5.00

Scientific - Biology
CTS 73/Oct 1955

27,335

K-H 2589d

The Enzymology of Myosin Distribution of Adenosine-
Triphosphatase and Deaminase, by V. A. Engelgardt, et al

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXV,
No 2, 1952, pp 397-400.

Co-op Tr Sch 31

USSR

Scientific - Biology

Feb 54 CTS

£1.12 ~ (4s. 0d.)

9604

On the Question of Thermal Fatigue in Aluminum
Single Crystals, by V. I. Arkharov, S. G. Ignat'eva,
Yu. D. Kozmanov, 2 pp. UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXV, No 3,
1953, pp 439-440.

Navy Tr 811/NRL 443

Scientific - Chemistry

Aug 53 CTS/DEX

4717

On the Mutual Disposition of Two Empirical
Distribution Functions, by V. S. Mikhalevich, 9 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol LXXV,
No 3, 1952, pp 485-488.

Sci Tr Center RT-336

Scientific - Mathematics

10,127

On the Nature of Emission of Radio Stars, by I. S. Shklovski. UNCLASSIFIED 9 pp.

RUSSIAN, thrice no per, Dok Ak Nauk SSSR, Vol LXXXV, No 3, 1952, pp 509-512.

Navy Tr 714/ERL 422

ARDC - X - 50 DDC

~~Scientific - Astronomy, emission, radio stars~~

Scientific - Astronomy, emission, radio stars

Feb 53 CTS/DEX

In book 714/ERL 422

On the Kinetics of Phosphorescence, by V. V.
Antonov-Romanovski, 4 pp., UNCLASSIFIED

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXV,
No 3, pp 517-520, 1952.

Navy Tr 753/NRL 425

Scientific - Physics

May 53 CTB

2014
301-1

Diurnal Asymmetry of Cosmic Rays in the
atmosphere at the Equator, by S. N. Vernov,
M. Kulikov, ~~IN~~ A. N. Charakhch'yan, 6 pp.

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol LXXXV,
3, 1952, pp 525-528.

Doc 711 AEC TR 1578

Def Sci Info Sv Tr T 63 R

DRB Canada

Scientific - Astronomy

May 33:15

2022

AF 542154

Luminescence of Atomic and Ionic Centers of Silver in
NaCl-Ag Phosphors, by M. L. Kats (Katz), 4 pp.
UNCLASSIFIED

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XXCV,
No 3, pp 539-542, 1952.

Navy Tr 685/NRL 415

Sci Tr Cnt R 7 380

Scientific - Physics, chemistry, atomic, ionit, silver

Dec 52 CTS/DEX

Sensitized Phosphorescence of Organic Molecules
at Low Temperatures. Intermolecular Energy Trans-
fer With Excitation of the Triplet Level, by
A. N. Terenin, V. L. Ermolaev, 12 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXXV, No 3, ~~1951~~ 1952, pp 547-550.

29,552 Sci Mus Lib 55/2462

Natl Res Lib TT-529

Sci - Physics

Velikanov, M.A.
MOVEMENT OF A HEAVY PARTICLE IN A TURBU-
LENT STREAM; 8 p. MTWL: 620.
Order from OTS or ETC \$1.55 61-17240

Trans. of Akademiya Nauk SSSR. Doklady, 1952,
v. 85, no. 3, p. 555-558.

DESCRIPTORS: *Turbulent flow, Solids, Motion,
Theory.

61-17240

- I. Velikanov, M.A.
- II. MTWL-620
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

On the Interatomic Reciprocal in Alloys on the Basis
of Elements of the IVth period of the Mendeleev
Period System, by I. Ya. Dekhtyar,

RUSSIAN, thrice mo per, Dok Ak Nauk SSSR, Vol LXXXV,
No 3, 1952, pp 583-586.

37,533
Insdoc
Nat'l Phys Lab of India
Hillside Rd,
New Delhi - 12
India.

Sci - Chemistry
Aug 56 CTS/dex

The Equilibrium Potential of the System Oxygen/
Hydrogen Peroxide, by I. E. Yablokova, V. S. Pagotsky,
4 pp. UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXV,
No 3, 1952, pp 599-602.

Navy Tr 848/NRL 451

USSR
Scientific - Chemistry

Oct 53 DTS

6572

The Role of Phosphopyridoxal in Enzyme Formation
and the Splitting of Cystathionine at Transfer
of Sulfur, by E. Goriachenkova.

RUSSIAN, per, Dokl Akad Nauk SSSR, Vol 85, No 3,
1952, pp 603-606.

HEW NIH

4-34-68

Sci/B & M

June 68

358,338

On the Speed of the First Reaction in the
Transformation of CO_2 in the Process of
Photosynthesis, by N. G. Doman, 6 pp.
UNCLASSIFIED

Full translation.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXV, 1952,
pp 607-610.

RT-2032
AEC Tr 2045

Scientific - Chemistry Jun 53 CTS/DEX

3072

Amitotic Reproduction of Neutrophils in Ascitic
and Pleural Fluids, by P. S. Revutskaya, 7 p.

^{Dok}
RUSSIAN, per, Akademiya Nauk SSSR, 1952,
Vol LXXXV, No 3, pp 641-644.

SLA 59-17860

Sci
Jan 60
Vol 2, No 9

105,987

On the Assimilation of Carbon Dioxide (Carbonic Anhydride) by the Roots of Plants, by A. M. Kuzin, V. I. Merenova, Ia. V. Mamul', 5 pp. UNCLASSIFIED

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXV, 1952, pp 645-647.

AEC Tr 2044

Scientific - Chemistry

Jun 53 CTS/DEX

3071

Respiration of Conductive Tissues and the
Movement of Sucrose, by A. L. Kursanov, M. V.
Turkina, 10 pp.

RUSSIAN, ~~per~~ thrice-no per, Dok Ak Nauk SSSR,
Vol LXXXV, No 3, 1952, pp 649-652.

Sci Tr Center RT-2162

Scientific - Biology
Apr 55 CTS

22,872

Effect of Urea as a Factor Provoking Change of
Structure of Albuminous Substances in the
Course of the Healing of Wounds, by L. N.
Zamanskiy, A. I. Lopushanskiy, 10²pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXXV, No 3, 1952, pp 665-668.

RIH

Scientific - Medicine
CTS/DEX

5520

Angelov, B. P., Lobanov, E. M. and others.
DE WERKING VAN EEN ELECTRONENSTROOM OP
DE GEVOELIGE LAAG VAN VENTIELFOTOCELLEN
(Deĭstvie Potoka Elektronov na Chuvstvitel'nyĭ Sloĭ
Ventil'nykh Fotoelementov) (The action of an electron
beam on the sensitive layer of a photoelectric cell)
tr. by J. H. van Santen. 8p. (foreign text included) .
MTWL: 709. (Text in Dutch).
Order from OTS or ETC \$1.55

61-17332

Trans. of Akademiya Nauk SSSR, Doklady 1952, v. 85,
no. 4, p. 733-735.

DESCRIPTORS: *Electron beams, *Photoelectric cells.
Sensitivity.

61-17332

I. Angelov, B. P.
II. Lobanov, E. M.
III. Starodubtsev, S. V.
IV. MTWL-709
V. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Determination of Coefficients of Cathode
Diffusion of Metals, by the Ions of the Very
Same Metals, by L. N. Dobretsov, N. M. Karnaukhova,
UNCLASSIFIED.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXXV, No 4, 1952, pp 745-748.

ATIC F-TS-8369

*AEC

Scientific - Min Min/Metals

19,319

Properties of Superconducting Films of Thallium and
Indium, by N. V. Zavaritskiy. UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXV,
No 4, 1952, pp 749-752.

11, 919
Navy Tr 979/NRL 474

Scientific - Chemistry

11, 919

CTS/DEY

The Measurement of Electron and Positive Ion
Energies in a Gas Discharge Plasma, by
E. I. Ionov, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXV, 1952, pp 753-755.

AEC Tr 2857

Sci - Physics
Apr 57 CMB/dex

47,135

Fluorescence of Ionic and ~~KX~~ Atomic Centers of
Copper in NaCl-Cu Phosphors, by N. L. Kats, 7 pp.

RUSSIAN, thrice-~~no~~ per, Dok Ak Nauk SSSR, Vol LXXXV,
No 4, 1952, pp 757-760.

Sci Trans Center RT-379

10,906

Scientific - Physics
CTS/DEX

Causes of the Weakening of the Intensity of
X-Ray Interference of Martensite, by V. A.
Il'ina, V. K. Kritskaya, K G. V. Kurdyumov,
5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXV,
No 4, 1952, pp 773-775.

SIA 60-16989

Sci
May 62
Vol 4, No 10

196,872

Velocity of Ultrasonic Waves in Saturated Vapors of
Organic Liquids, by V. F. Nozdrev.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXV, No 4, 1952,
pp 777-779.

Butcher Trans No 2973

Scientific - Chemistry, hydrocarbons, ultrasonic waves,
organic liquids

Influence of Stereochemical Factors on the Affinity
of Displaced Ethylenes for Polymerization, by
V. V. Korshak, N. G. Matveeva, 7 pp.

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, ~~KHIMIK~~
Vol LXXXV, No 4, 1952, pp 797-800.

USDA Tr

Scientific - Medicine *OTS 6-80936*
Aug 53 CTS/DEX

4781

Nikitin, B.A. and Ioffe, E.M.
A COMPOUND OF RADON WITH PARACHLOROPHENOL
5 p. 3 refs. MTWL: 625.
Order from OTS or ETC \$1.55

61-17227

Trans. of Akademiya Nauk SSSR. Doklady, 1952,
v. 85, no. 4, p. 809-810.

DESCRIPTORS: *Radon, Chemical reactions,
Chlorine compounds, *Phenols.

61-17227

- I. Nikitin, B.A.
- II. Ioffe, E.M.
- III. MTWL-625
- IV. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Redistribution of Carbon During Transformation in
Bainite Range, by L. M. Pevzner, G. M. Rovenskii,
T. D. Kubyshkina.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIV, No 4, 1982,
pp 811-814.

Brutcher Trans No 2976

Scientific - Metallurgy, steel, carbon, transformation
bainite range

Investigation of the Mechanism of Reduction Reactions
of Diazonium Salts. Reduction With Hypophosphorous
acid, by G. P. Miklukhin, A. F. Rekasheva, 11 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXV,
No 4, 1952, pp 827-830.

NIH

Scientific - ~~Chemistry~~
TS/DEX

*Nuclear Physics,
Deuterium 6370*

The Adaptation of Respiratory & Gaseous Exchange of
the Apple to its Environment; by B. A. ~~EMXE~~ RUBIN.
et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXV, No 4,
1952, pp 859-862.

*PL-480

Sci
Jul 63

The Transition of Zircon Into the Metamict
State, by K. K. Zhurov

RUSSIAN, thrice mo per, Dok Ak Nauk SSSR,
Vol LXXXV, pp 889-91, 1952.

AEC-tr-2384

USSR
Sci - Chemistry
Mar 56 CTS/DEX

31,687

Stroganova, N. S.
AMITOSIS DURING SPERMATOGENESIS IN MAMMALS.
[1962] 5p.

Order from ATS \$8.25

ATS-44P62R

Trans. of Akad[emiya] Nauk SSSR, [Doklady] 1952,
v. 85, no. 4, p. 897-900.

DESCRIPTORS: *Mammals, *Spermatogenesis, Cells
(Biology).

(Biological Sciences, TT, v. 8, no. 12)

62-34253

- I. Title: Amitosis
- I. Stroganova, N. S.
- II. ATS-44P62R
- III. Associated Technical
Services, Inc., East
Orange, N. J.

ATS RJ-4198

Office of Technical Services

Panov, E. M. and Kocheshkov, K. A.
ON A NEW FUNDAMENTAL CLASS OF THE
SIMPLEST ORGANIC COMPOUNDS OF LEAD
ArPbX₃. [1963] 7p

Order from K-H \$7.00

K-H 10179

Trans. from Akademiya Nauk SSSR. Doklady, 1952,
v. 85, no. 5.

DESCRIPTORS: *Lead compounds, *Metalorganic
compounds, Halides.

(Chemistry--Organic, TT, v. 10, no. 11)

63-22476

- I. Panov, E. M.
- II. Kocheshkov, K. A.
- III. K-H-10179
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

On the Anisotropy of Diamagnetic Susceptibility of
Benzene, Naphthalene and Anthracene, by M. V.
Volkenshtein, L. A. Borovinski, 4 pp. UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXV, No 5,
1952, pp 977-980.

Navy Tr 809/ONI 441

Scientific - Chemistry Aug 53 CTS/DEX

4713

Zhukova, N. V.
INFLUENCE OF FLUXES ON THE LEVEL OF
LOCALIZATION OF THE ELECTRONS IN ZnS-Cu-
PHOSPHORS. [1962] 7p. (4 figs. omitted) 15 refs.
Order from OTS or SLA \$1.10 62-16703

Trans. of Akademiya Nauk SSSR. Doklady, 1952,
v. 85, no. 5, p. 981-984.

DESCRIPTORS: *Zinc compounds, *Sulfides, *Copper,
*Phosphors, *Luminescence, *Electrons, Excitation,
Brightness, Temperature, Heating, Lattices.

(Chemistry--Physical, TT, v. 8, no. 8)

62-16703

I. Zhukova, N. V.

Office of Technical Services

Tsiklis, D.S.
THE LIMITED MUTUAL SOLUBILITY OF GASES IN
THE SYSTEM AMMONIA-NITROGEN AT HIGH PRES-
SURES. 6 p. 8 refs. MTWL: 621
Order from OTS or ETC \$1.55

61-17223

Trans. of Akademiya Nauk SSSR, Doklady, 1952,
v. 86, no. 5, p. 993-995.

DESCRIPTORS: Gases, Solubility, High pressure
research, *Nitrogen, *Ammonia.

61-17223

- I. Tsiklis, D.S.
- II. MTWL-621
- III. Stichting Moelijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Anisotropy of Distortions of Crystal Lattice of
Martensite, by V. A. Il'ina, V. K. Kritskaya, O. V.
Kurdyumov

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol LXXXV,
No 5, 1952, pp 997-999.

Brutcher Tr 3080

Scientific - Minerals/Metals
CTS/DEX

Price \$2.90

7859

Measurement of the Rate of Motion of the Main Channel
of High-Voltage Discharge, by I. S. Stekol'nikov
8 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol LXXXV, 1952,
pp 1013-1016.

AEC Tr 1732

Scientific - Physics

CTS/DEX

7292

Handwritten: 382

Complex Formation Between Alkali Metal Fluorides
and Fluorides of the Lanthanum Group Metals, by
E. P. Dergunov, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXV, No 5,
1952, pp 1025-1028. 9220441

AEC-Tr-6232

Sci
Mar 64

(FED 19290)

The Preparation of Acetylene and Ethane Tagged With
Radioactive Carbon C^{14} , by N. P. Keyyer, B. V. Klimonok,
G. V. Isagulyants, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XXCV, No 5
Moscow, 1953, pp 1029-1031.

67-24-12
CIA/FED/U-5519

USSR
Sci - Chemistry, isotopes

10,572

New Fundamental Class of Simplest Lead
Organic Compounds ArPbX_3 , by
E. M. Kocheshkov, K. A. ³Kocheshkov, 6 pp.
RUSSIAN, per, Doklady Akademiy Nauk SSSR,
Vol. 85, no. 5, 1952, pp. 1037-1040.
CFSTI TT 69-53039

Sci/mat
Feb 70

402,471

Diffusion in a Liquid with Turbulent Agitation,
by I. A. Bagotskaya, 9 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, 1952
Vol LXXV, No 5, pp 1057-1060.

Sci M₁ Lib # No 54/2517

NATL Res Lib TT424

19,124

Scientific - Physics

Simultaneous Adsorption of Ethylene and Propylene
on Active Carbon, by B. P. Berin, V. V. Serpinskiy.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXXV, 1952, pp 1065-1068.

Assoc Tech Sv RJ-208
\$6.80

Scientific - Chemistry
CTS 73/Oct 1955

27,471

Comparison of the Spectral Properties of Chlorophyll
and Pheophytin in Different Solvents, by V. B.
Evtigneyev, V. A. Gavrilova, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXV,
1952, pp 1073-1076.

SLA R-1272

May 58

64,615-

13 245

Ca-1

TOLSTOI D. M.

The molecular theory of the slip of liquids on solid surfaces

Dokl. Akad. Nauk SSSR, 85, No. 5, 1089-1092 (1952)

TT 423 - English

E u r a t o m

Structure of the Peroxide Formed in the Mercury-Sensitized Photochemical Oxidation of Propane at Room Temperature, by N. V. Fok, A. B. Nalband'yan.

Full translation.

RUSSIAN, ~~twice~~ per, Dok Ak Nauk SSSR, Vol LXXXV, 1952, pp 1093-1095.

AEC Tr 1617

USSR
Scientific - Chemistry

Jul 53 CTS

4014

Molecular Theory of the Slip of Liquids on
Solid Surfaces, by D. M. Tolstoy, 7 pp.

Abstract, three-to per, Dokl Ak Nauk SSSR,
1952, No 5, 1952, pp 1039-1042.

Sci Lib Lib No 54/2424

Natl Res LIB T 423

Scientific - Physics

19, 121

Studies of the Role of Individual Oxidases in
Apple Respiration, by B. A. Rubin, E. V. Artsikhovskaya,
5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXV, No 5,
1952, pp 1123-1126.
OTS 63-11085
PL-480

Sci - Biol & Med Sci
Jun 64

260,813

Popov, V. V. and Borsuk, R. A.
REPLACEMENT OF CORNEA IN ADULT FOWL
WITH EMBRYONAL SKIN [Zameshchenie Rogovitsy
u Vzsrolykh Ptits Embrional'noi Kazhei] tr. by
Z. D. Knowles. 28 Oct 53, 10p. 6 refs.
Order from OTS or SLA \$1.10 61-28023

Trans. of Akademii Nauk SSSR. (Doklady) 1952,
v. 85, no. 5, p. 1181-1184.
Another trans. is available from SLA as RT-257.

DESCRIPTORS: *Chickens, *Skin, *Eye, Therapy,
*Transplantation, Surgery, Tissues (Biology),
*Embryos, Age factors, Regeneration,

(Biological Sciences--Pathology, TT, v. 7, no. 1)

61-28023

- I. Title: Cornea
- I. Popov, V. V.
- II. Borsuk, R. A.
- III. National Institutes of
Health, Bethesda, Md.

NIA

7107

Office of Technical Services

(FDD 19075)

Detection of Meteoric Dust at the Place Where the
Sikhote-Alinsk Iron Meteoric Rain Fell, by Ye. L.
Mirinov, S. S. Fonton, 9 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Nov Ser,
Vol LXXV, No 6, Moscow/Leningrad, 1972, pp 1227-1230.

CIA/FDD/U-5563

USSR

Sci - Astronomy

Mar 54 CTS

11,716

On the Spatial Distribution of Sources of the
Galactic Radio Emission, by I. S. Shklovskiy.
UNCLASSIFIED

RUSSIAN, thrice-a-week per, Dok Ak. Nauk SSSR, Vol
LXXXV, No 6, 1952, pp 1231-1234.

Navy Tr 939/NRL 461

Scientific - Astronomy

4352

Feb 54 CTS/DEX

Resonance Absorption of Sound in Paramagnetics,
by S. A. Al'tshuler, 8 pp. (

RUSSIAN, no per, Dok Ak Nauk SSSR, Vol LXXXV,
No 6, 12 Aug 1952, pp 1235-1238.

51460-21774
XXXX SLA Tr R-1035

Sci - Physics

Language for En
54,608

Oct 57

*Library of Congress
Richard B. Greer Ed of Canada
Prof. H. H. Anderson, UK*

The Form of ISO-Opacity of the Photographic Emulsion,
P. V. Meykiyar, 8 pp. UNCLASSIFIED,

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXV,
1952, pp 1255-1258.

CIA/FDD/X 1414

Scientific - Physics

17,740

Remarks Concerning the Classical Derivation of
Maxwell's Law, by Yu. V. Linnik, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXIV,
No 6, 1952, pp 1251-1255.

Sci Ku Lib No 54/2520

Nath Res Lib TT452

Scientific - Physics

19,129

Equilibrium of Hypophosphorous and Phosphorous
Acids, by A. I. Brodskii, L. V. Sulina, 9 pp.

Full translation.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol
1222V, No 6, 1952, pp 1277-1280.

RIH

Scientific - Chemistry Aug 53 CSB/DCI

See Team Center 87-111

4457

S-5261

(NY 2710).

Equations of Crystallization Surfaces of a
Congruently Melting Ternary Chemical Compound
and Its Components in the Ternary System,
by A. T. Grigor'ev,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXV,
No 6, 1952, pp 1281-1284.

*JPRS

Sci - Chem, Crystallization

Jun 59

Metalloorganic Analogs of Benzoic and P-toluic
Acids, by E. M. Panov, K. A. Kocheshkov.
RUSSIAN, per, Doklady Akademiy Nauk SSSR,
Vol. 85, no. 6, 1952, pp. 1293-1295.
CFSTI TT 69-53030

Sci/b&m
Feb 70

402,471

V
Solubility and Activity of Oxygen in Iron and Vanadium Melts, by R. A. Karasev, A. Yu. Polyakov, A. M. Samarin.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXXV, No 6, 1952, pp 1313-1316.

Matl Res Lib
TT.448

Scientific - *Chemistry*
~~Physics~~

CTS/DEX

18,747

Isotopic Composition of Oxygen in Minerals
of a Skarn Origin, by V. P. Vinogradov, E. I.
Dontsova, 9 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXXV, No 6, 1952, pp 1341-1343.

SIA R-1218

May 58

64,525

The Slip of Mercury on Glass, by NIKOL. D. N.
Sokolov, 10 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXIV, No 6, 1952, pp 1329-1332.

19,122
Sci Ma Lib No 54/2425

164 Res INET T453

Scientific - Chemistry

On the Question of the Relation Between Respiration
and the Synthetic Processes in the Higher Plants,
by Oparin, Gelman, 10 pp. UNCLASSIFIED

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXV,
1952, pp 1357-1360.

AEC Tr 2047

Scientific - Chemistry

Jun 53 CTS/DEX
3074

On a Possible Role of Protein in the Photosynthetic
Process, by L. A. Mezgovorov, 9 pp. UNCLASSIFIED

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXV,
1952, pp 1387-1390.

AEC Tr 2049

Scientific - Chemistry

Jun 53 CT8/DEX

3075

Effect of Manganese on Photosynthesis by Water
Plants, by C. C. Skvortozov, 7 pp. UNCLASSIFIED

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXV,
1952, pp 1391-1393.

AEC Tr 2050

Scientific - Chemistry Jun 53 CTS/DEX

3076

Dynamics of Accumulation of Pigments in Grape Leaves
as a Phase of Yearly Growth, by P. G. Tavadze, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXV, 1952,
pp 1395-1398.

SLA Tr R-1274

Sci

Jun 58

65,854

(FDD 21398)

Effect of Changes in the Functional Condition of the
Cortex of Large Hemispheres Produced by Chloral
Hydrate Upon the Unconditioned Interoceptor Re-
flexes in the Stomach, by I. A., Bulygin, 9 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Nov 1952
Ser, Vol LXXXV, No 6, Moscow, Aug 1952, pp 1415-1418.

CIA/FDD/U-6161

USSR

Sci - Med

16,613

3

NTE

DOKLAUY AKADEMII NAUK SSSR

1952 V82 P237-240	70-12856-070 <*
1952 V84 N3 P523-526	70-23757 <*
1952 V85 N1 P121-124	70-23425 <*
1952 V85 N1 P161-164	70-23426 <*
1952 V85 N2 P353-356	70-23427 <*
1952 V85 N2 P381-384	70-23424 <*
1952 V85 N5 P1037-1040	TT-69-53039 <*
1952 V85 N5 P1045-1048	70-23762 <*
1952 V86 N3 P547-550	70-23417 <*
1952 V86 N5 P973-975	70-23423 <*
1952 V86 N6 P1145-1148	70-23430 <*
1952 V87 N5 P767-770	70-23428 <*
1952 V87 N6 P999-1000	70-23429 <*
1953 V87 N4 P613-616	70-23422 <*
1953 V88 N2 P273-276	70-23420 <*
1953 V88 N2 P293-295	70-23418 <*
1953 V88 N2 P305-308	70-23421 <*
1953 V88 N3 P465-466	70-23419 <*

An Experimental Method of Determining the Coordinates
of Burst of Radio Emission, by V. V. Vitkevich,
7 pp.

Full translation.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol LXXXVI,
No 1, USSR, 1952, pp 39-42.

RRB T E R
~~Defense Sub-Info-Sr~~
~~DDP-RO-100R~~

AEC-TR-1509

Scientific - Electronics, radio emission

CIA 1105580 Feb 53 CTS/DEX

THEORY OF MICHAELSON'S STELLAR INTERFEROMETER,
BY I. L. BERSHTEYN, ET AL, 8 PP.

RUSSIAN, PER, DOK AK X NAUK SSSR, VOL LXXXVI,
NO 1, 1952, PP 47-50.

JPRS 18083

SCI - PHYS

MAR 63

225,206

The Connection Between the Theory of Regularization and
the Theory of Particles with Arbitrary Spin., by Yu. A.
Yappa, UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXXVI, No 1, 1952, pp 51-54

Sci Tr Center
TT 428

Scientific - Physics

15,380

Thermal Diffusion in Metals, by I. A. Oding, 8 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXVI,
No 1, 1952, pp 67-70.

ATIC F-TG-9350/III

Sci - Physics, Min/met
Mar 58

60,582

Some Cyclic Ethyleneglycolic and Alpha-Alkoxypropylene-
glycolic Ethers of Arylarsenous Acids, by
Mikhail Kamai, N. A. Chadayeva, 5 pp.

RUSSIAN, twice-mo per, Dok Ak Nauk SSSR, Vol
XXXVI, No 1, 1952, pp 71-73.

NIH

Sci Tr Chem RT 378

Scientific - Chemistry
TS/DEX

6371

INCL
The Formation of Simple Ethers From Dimethylacetal
Carbinol and Their Catalytic Hydrogenation Under
Mild Conditions, by A. I. Lebedeva, L. F. Almeshi,
2 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXVI,
No 1, 1952, pp 75-78.

Sci Tr Ctr RT-3407

Scientific - Chemistry

34,871

May 56 CTS/dex

V
Adsorption of Vapours on a Non-Porous Active
Carbon Black, by N. N. Avgul, O. M. Dzhit, A. V.
Kiselev, 8 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol
LXXXVI, No 1, 1952, pp 95-98.

Sci Trans Center
RT-2171

21,469

Scientific - Chemistry

Feb 55 CTS/DEX

Adsorption des vapeurs par le charbon actif
noir de fumee, by N. N. Avgul', O. M. Dshigit,
et al, 8 pp.
RUSSIAN to FRENCH, per, Dok Ak Nauk SSSR, Vol LXXXVI,
1952, pp 95-98.

Reverse Translation
CEA-R-1775

Sci
Dec 04

Temperature Dependence of the Surface Tension
of Bismuth and Its Alloys with ~~Salt~~ Sodium
and Potassium, by P. P. Pugachevich, I. P
Altunov, 6 pp.

RUSSIAN, per, Dok ~~E~~ Ak Nauk SSSR, Vol LXXXVI,
No 1, 1952, pp 117-119.

Sci Ma Lib No 54/2678

Scientific - Min/Metals

Nov 1954 CTS

19,689

178/60

(SF-1047)

Effect of Rubber Fillers on the Coefficient of
Static Friction, by S. B. Ratner, V. D. Sokol'skaya,
7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXVI, No 1,
1952, pp 121-124.

JPRS 4050

Sci - Chem

Sep 60

127,058

Hardening of Metals During Joint Plastic
Deformation, by A. P. Semenov,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVI, No 1,
1952, pp 125-128.

Insdoo
Natl Physical Laboratory of
India, Hillside Road,
New Delhi-12, India

Sci - Chemistry

Aug 1956

37,162

(SECRET)
(FID 27161)

Principle of Limiting Absorption for a Metaharmonic
Equation, by A. G. Sveshnikov, 5 pp.

RUSSIAN, three-no per, Dokl Ak Nauk SSSR
Vol. LXXVI, No 2, Moscow, 1952, pp 231-234.

CIA/FID U-8140

USSR

Sci - Electronics Physics

Apr 56

34556

62-24497

Dukelskii, V. M. and Zandberg, E. Ya.
NEGATIVE IONS OF ARSENIC, PHOSPHORUS, SULFUR
AND THALLIUM, tr. by George F. Hill. 4 May 62
[7p. 9 refs. (AMC) (Redstone) Trans-nr-21-62.
Order from OTS or SLA \$1.00 62-24497

Trans. of Akademiya Nauk SSSR (Doklady) 1952,
v. 86, no. 2, p. 263-265.

DESCRIPTORS: Ions, *Arsenic, *Phosphorus, *Sulfur,
*Thallium compounds, Halides, Mass spectroscopy,
Gas discharges, Nitrogen, Ammonia.

As part of a study of the capability of atoms and mole-
cules to add an electron and be changed into free nega-
tive ions, an investigation was made of the composition
of ions forming in a gas discharge in nitrogen and
ammonia and also in the vapors of arsenic, phosphorus,
sulfur and of the haloid salts of thallium.
(Physics - Atomic and Molecular, II, v. 9, no. 2)

I. Dukelskii, V. M.
II. Zandberg, E. Ya.
III. AMC (Redstone) Trans-21-62
IV. Army Missile Command,
Redstone Arsenal, Ala.

Office of Technical Services

Measurement of the Thermal Capacity of Metals at
Extra Low Temperatures (Cadmium From 0.3 to 0.9° K),
by B. N. Samoilov, 4 pp. UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk, SSSR, Vol LXXXVI, No 2,
1952, pp 281-284.

Navy Tr 771/ERL 435

Scientific - Min/Metals

CTS/DEX

2762

Application of Artificial Radioactive Indicators for Studying Diffusion and Self-diffusion in Alloys, by P. L. Gruzin
RUSSIAN, per, Doklady Akad. Nauk, SSSR,
Vol. 86, 1952, pp. 289-292.
*CFSTI TT 70-57022

Sci/phys
FEB 70

(FDD 19549)

Heating of a Stationary Layer of Spheres by Flow
of Hot Gas, by G. P. Ivantsov, B. Ya. Lyubov, 8 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Nov Ser,
Vol LXXVI, No 2, Moscow/Leningrad, 1952, pp 293-
296.

CIA/FDD/U-5676

USSR

Sci - Minerals/Metals, metallurgy, ore reduction

Mar 54 CTS

11,613

Ravich, G. B. and Vol'nova, V. A.
PHASENDIAGRAMM DES STEARIN-, PALMITIN- UND
OLEIN- SAURENSYSTEMS (Phase Diagram of the
System of Stearic, Palmitic, and Oleic Acids) 8p.
MTWL: 881. (text in German).
Order from OTS or ETC \$1.55

61-17627

Trans. of Akademiya Nauk SSSR, Doklady, 1952,
v. 86, p. 325-327.

DESCRIPTORS: Oleic acids, Stearic Acids, *Fatly
acids, *Phase studies.

61-17627

- I. Ravich, G. B.
- II. Vol'nova, V. A.
- III. MTWL-881
- IV. Stichting Moellijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Elastic and Strength Properties of Greenes, by
O. V. Vinogradov, M. M. Gvozdev, 10 pp.

RUSSIAN, Khimiko-mekhanika, Dokl Ak Nauk, SSSR,
Vol LXXVI, No 2, 11 Sep 1952, pp 341-344.

CIA/TDD/XX-96

IAC INTERNAL USE ONLY

31/62

Scientific - Chemistry

Feb 56 CTS/DEX

NOT RELEASABLE TO FOREIGN NATIONALS

On the Problem of the Wear Resistance of Chromized Surfaces, by H. S. Gorbunov and V. P. Lazarev.

Full translation.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXVI, No 2, 1952, pp 345-347.

Brutcher Tr 2966

Scientific - Chromized surfaces, wear

Diversity of First Products of Photosynthesis
of Different Plant Species, by N. G. Doman, A. M.
Kuzin, Y. V. Manul', R. I. Khudyakova, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXVI,
1952, pp 369-372.

SLA R-1275

May 58

64,612

Gmid, L. P.

ON EXPERIMENT OF THE STUDY OF FRAGMENTAL QUARTZ IN THE SAND-SILSTONIC ROCKS OF CHOKRAK IN NORTH-EASTERN CAUCASUS. [1962] [8]p. 3 refs.

Order from OTS or SLA \$1.10

62-14629

Trans. of [Akademiya Nauk SSSR]. Doklady, 1952, v. 86, no. 2, p. 395-396.

DESCRIPTORS: Minerals, *Quartz, Experimental data, Geology, Geophysics, Sand, Rock, Quantitative analysis, Fragmentation, Mountains.

(Earth Sciences--Mineralogy, TT, v. 8, no. 4)

62-14629

1. Gmid, L. P.

Office of Technical Services

Influence of Spectral Composition of Light on the
Relation of Substances Formed by Photosynthesis, by
N. P. Voskresenskaya, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVI, 1952,
pp 429-432.

SLA Tr R-1276

Sci

Jun 58

65, 861